INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F03D3/06 F03E F03D3/00 F03B17/06 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 FO3D FO3B Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ' Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 858 215 A (O.D. ROBINSON, R.L. BENNETT) 1-3,6-825 June 1907 (1907-06-25) 11, 17-19. 22-24, 27,33, 34,36,40 the whole document X EP 1 079 104 A (PACIELLO FREDY P) 1 - 3. 28 February 2001 (2001-02-28) 7-10,12 13, 15, 16 abstract; figures 1,2,4 paragraph '0003! - paragraph '0006! paragraph '0010! - paragraph '0022! Further documents are listed in the continuation of box C. X Patent family members are listed in annex. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the 'A' document defining the general state of the art which is not considered to be of particular relevance Invention *E* earlier document but published on or after the International *X* document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-*O* document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed in the art. *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 16 November 2004 25/11/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, de Rooij, M Fax: (+31-70) 340-3016

INTERNATIONAL SEARCH REPORT



	•	F11/CA2004/001001
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 365 984 B1 (SHU CHAU-FU) 2 April 2002 (2002-04-02) abstract; figures 1,4,9 column 1, line 24 - line 63 column 2, line 28 - column 3, line 25	1-3,7,8, 13,14,16
X	WO 03/029646 A (HILLEKE COM; HILLEKE BENT (DK)) 10 April 2003 (2003-04-10) abstract; figures 1-4 page 2, line 15 - page 4, line 25 page 6, line 4 - line 28 page 7, line 1 - line 14 page 9, line 11 - page 11, line 2 page 12, line 12 - page 13, line 11	1-8, 11-14,16
X	GB 2 205 615 A (SALFORD UNIVERSITY CIVIL ENGIN) 14 December 1988 (1988-12-14) abstract; figures 1,2,4-7 page 2, paragraph 4 - page 3, paragraph 2 page 4, paragraph 2 - paragraph 4 page 5, paragraph 11 - page 6, paragraph 3 page 7, paragraph 3 - page 8, paragraph 1	1-3,6-8, 11,13,16
Α	US 5 051 059 A (RADEMACHER T PETER) 24 September 1991 (1991-09-24) the whole document	1
A	US 6 448 668 B1 (ROBITAILLE ARMAND) 10 September 2002 (2002-09-10) figure 5	39,40

INTERNATIONAL SEARCH REPORT

International Application No	
PCA2004/001001	

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 858215	Α		NONE		
EP 1079104	A	28-02-2001	AU EP WO	2294800 A 1079104 A1 0046498 A1	25-08-2000 28-02-2001 10-08-2000
US 6365984	B1	02-04-2002	NONE		
WO 03029646	Α	10-04-2003	WO	03029646 A1	10-04-2003
GB 2205615	Α	14-12-1988	IN IN	171271 A1 171272 A1	29-08-1992 29-08-1992
US 5051059	Α	24-09-1991	NONE		
US 6448668	B1	10-09-2002	NONE		